



THEM-O-FLEX[®]

ACRYLIC COATING SYSTEM

Therm-O-Prime Acrylic Roof Primer

PRODUCT DESIGN

Therm-O-Prime Acrylic Roof Primer is a single component, water soluble, acrylic primer that promotes adhesion of Spray-in-Place Polyurethane Foam to a variety of roofing substrates including BUR modified bitumen, concrete, masonry, galvanized metal and wood. Because of its dark color, **Therm-O-Prime** burns off dew and water vapor from the surface at a substantially faster rate than lighter colors. Increased solar radiation absorbed from the dark color can also substantially increase SPF yields. The water based formula eliminates odor and restaurant problems normally associated with solvent borne primers.

PRODUCT USE

Use **Therm-O-Prime** as a bonding primer on properly prepared roof decks to tie-down residual dirt, dust and other small particle foreign debris to the substrate before SPF installations. Also use to prime "scarified" foam prior to new SPF applications.

PHYSICAL PROPERTIES

COLOR: Black

BASE: 100% Acrylic Latex

SHEEN: Dry film should have a flat to low sheen finish with no tendency to chalk or crumble

SOLIDS BY WEIGHT: 21.2%

SOLIDS BY VOLUME: 19.8%

VOC: 37 g/l

FLASH POINT: >250°F (PMCC)

ENVIRONMENTAL STATEMENT: Complies with current U.S. Federal Regulations concerning use of lead and/or mercury in paint.

Nonphotochemically Reactive.

LIMITATIONS: Do not use as a finish coat. Allow new masonry to cure at least 30 days. The pH of the substrate should be less than 8 before priming.

PRODUCT ADVANTAGES

- Provides a Sound Undercoat and Promotes SPF Adhesion
- Increases Productivity
- Produces Greater Foam Yields
- No Solvent Fumes or Odor
- Simple Soap and Water Clean-up

APPLICATION

All surfaces should be dry, clean and free from detrimental foreign matter that will adversely affect adhesion and product performance. Remove foreign surface deposits and/or organic growth using manual, mechanical or chemical cleaning techniques. Very dense, nonporous or chemically treated concrete requires overall etching or abrasive blasting to promote adhesion. Apply **Therm-O-Prime** with a brush (polyester/nylon), roller (high quality 3/8" – 1/2" pile nap), garden sprayer or conventional or airless spray equipment. Airless spray equipment must be capable of maintaining a constant 1700 psi at the tip without surge when spraying through a 0.01" – 0.015" tip size.

Drying Time at 77°F (25°C) and 50% RH is 1/2 hour to touch and 2 hours to topcoat. If applying primer in colder weather and/or higher humidity, ensure primer is thoroughly cured (no moisture left in the film) before foam is applied. Recommended wet film per coat is 4 mils. Recommended dry film per coat is 8 mils. Recommended spreading rate is 400 sq.ft. per gallon. Coverage rates will vary depending upon method of application, surface irregularities and porosity of substrate. Coverage figures do not include spray loss.

Apply only when air, product and surface temperatures are above 50°F (10°C). Avoid application when dew or condensation is likely to form or when rain threatens. Promptly clean brushes, rollers and spray equipment with warm soapy water. Give spray equipment a final cleaning with high quality paint thinner to remove moisture and prevent possible corrosion.

MATERIAL SAFETY AND HANDLING

Storage:

Keep from freezing, material may coagulate.

Personal Protection:

Use safety glasses and chemically resistant gloves when handling materials. Use with adequate ventilation. Where ventilation is inadequate, use a suitable respirator.

First Aid

Inhalation: May be harmful if vapor or spray mist is inhaled. Move person to fresh air. Consult a physician.

Eye Contact: Irrigate with water for 15 minutes. Consult a physician if irritation persists.

Skin Contact: May be harmful if absorbed through the skin. Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

Ingestion: If swallowed, give 2 glasses of water to dilute. Never give anything by mouth to an unconscious person. Contact a Poison Control Center, Emergency Room or Physician immediately.